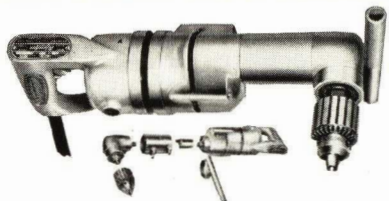


## Milwaukee ELECTRIC TOOLS

### TRI-SPEED S412RAD RIGHT-ANGLE DRILL



Available in 6 Basic Models with Speed Ranges from 100 to 3000 rpm

This compactly designed, 8-pound portable power tool is ideal for drilling around corners, pipes, conduits, and other hard-to-get-at places — between 12-inch joists, or similar close quarters. Light and powerful, the one-third H.P. Hole Shooter, the S-412, allows operator to maintain normal position at all times — particularly when working in places inaccessible with standard electric drills, or on ladders.

Three job-determined speeds, 300, 450, and 650 rpm, expand the tool's usefulness. Permits operator to select the correct speed for drilling large or small holes in wood, sheet metal, ceramic, glass, or stone composition materials. Motor operates AC or DC, up to 60 cycles, at 115 volts, or special voltages. Ball and roller bearings throughout.

Price, No. S-412 RAD  $\frac{1}{2}$ -inch Right-Angle Drill .....each **\$69.00**

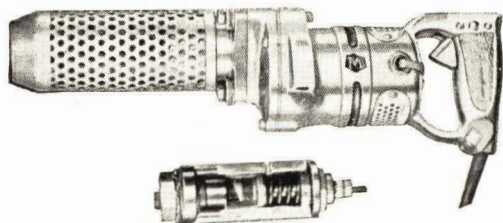
### TU-SPEED RIGHT-ANGLE DRIVE ATTACHMENT



Adds two speeds to any Milwaukee Drill listed below. Ideal attachment for use on Drill for drilling in inaccessible places or used with pad substituted for chuck on sanding or polishing operations. Extends length of drill only  $2\frac{1}{2}$  inches. Attaches to S214, S256, S238, S412, S212 and BF312 drills.

Price, Type RAD2 Attachment.....each **\$24.50**

## MILWAUKEE ELECTRIC HAMMER TYPE H-856X



An ideal tool for drilling holes in concrete or brick to accommodate expansion shields. The most powerful and durable small electric hammer ever offered to the trade.

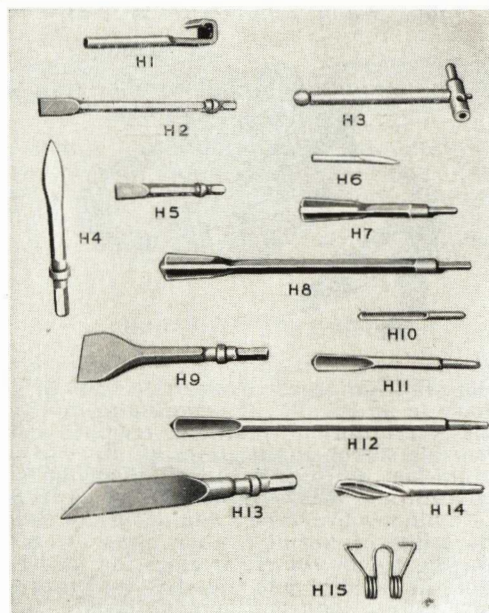
Capacity in concrete:  $\frac{1}{2}$ -in. holes approximately 4 inches deep in one minute;  $\frac{3}{4}$ -in. holes 2 inches deep in one minute;  $\frac{7}{8}$ -in. holes 1-inch deep in one minute. Delivers 3,000 powerful blows per minute.

Furnished complete with special taper tool chuck, one  $\frac{1}{2}$ -inch Star drill, one drift key, one open end wrench, one tool retainer for chisels, carrying case, and 12 feet 3-wire Super Service cable equipped with third wire for grounding purposes.

Price, Type H-856X Electric Hammer (115 volts) .....each **\$98.00**

For other voltages, add **\$3.00**.

## Milwaukee HAMMER ACCESSORIES



Indicative of the broad applications for the Milwaukee H-856X Electric Hammer is this assortment of cutting, drilling and chipping tools. The various hammer tools and their uses:

No. H1 —Turning Handle .....	<b>\$1.25</b>
No. H2 —Cold Chisel, $\frac{5}{8}$ " x 12" .....	<b>3.75</b>
No. H3 —Star and Hammertwist Drill Chuck .....	<b>3.75</b>
No. H3a—No. 14 Rawldrill Chuck (for Rawldrills No. 6 to No. 14) .....	<b>3.75</b>
No. H3b—No. 20 Rawldrill Chuck (for Rawl drills No. 16 to $\frac{7}{8}$ ") .....	<b>3.75</b>
No. H4 —Bull Point .....	<b>2.95</b>
No. H5 —Cold Chisel, $\frac{5}{8}$ " x 7" .....	<b>2.95</b>
No. H6 —Drift Key .....	<b>.30</b>
No. H9 —Brick Cleaning Chisel.....	<b>2.95</b>
No. H13—Mortar Cutting Chisel.....	<b>2.95</b>
No. H15—Tool Retaining Spring.....	<b>1.50</b>
Special hammer cylinder grease (1 lb. can) .....	<b>.75</b>
Special gear case grease (per 1 lb. can).....	<b>.75</b>

### H14 HAMMERTWIST DRILLS

$\frac{3}{16}$ " x 5" .....	<b>\$0.90</b>	$\frac{3}{8}$ " x 5" .....	<b>\$1.25</b>	$\frac{1}{2}$ " .....	<b>\$1.90</b>
$\frac{1}{4}$ " x 5" .....	<b>1.00</b>	$\frac{7}{16}$ " x 5" .....	<b>1.70</b>	$\frac{5}{8}$ " .....	<b>2.00</b>
$\frac{5}{16}$ " x 5" .....	<b>1.10</b>	$\frac{1}{2}$ " x 5" .....	<b>1.80</b>		

H3 Chuck required.

### H10, H11, H12 RAWLDRILLS

#### H10

No. 6— $\frac{5}{16}$ " .....	<b>\$0.75</b>	No. 12— $\frac{1}{4}$ " .....	<b>\$0.80</b>
No. 8— $\frac{11}{16}$ " .....	<b>.75</b>	No. 14— $\frac{3}{8}$ " .....	<b>.85</b>
No. 10— $\frac{1}{2}$ " .....	<b>.75</b>		

H3a Chuck required.

#### H11

No. 16— $\frac{5}{8}$ " .....	<b>\$1.00</b>	$\frac{3}{4}$ " x 6" .....	<b>\$1.65</b>
No. 20— $\frac{3}{4}$ " .....	<b>1.10</b>	$\frac{7}{8}$ " x 6" .....	<b>1.75</b>
$\frac{1}{2}$ " x 6" .....	<b>1.15</b>	$\frac{1}{2}$ " x 12" .....	<b>1.40</b>
$\frac{5}{8}$ " x 6" .....	<b>1.25</b>	$\frac{3}{4}$ " x 12" .....	<b>1.40</b>
$\frac{7}{8}$ " x 6" .....	<b>1.35</b>	$\frac{1}{2}$ " x 12" .....	<b>1.65</b>
$\frac{5}{8}$ " x 6" .....	<b>1.35</b>	$\frac{3}{4}$ " x 12" .....	<b>1.85</b>
$\frac{7}{8}$ " x 6" .....	<b>1.65</b>	$\frac{1}{2}$ " x 12" .....	<b>2.30</b>

H3b chuck required.

#### H12

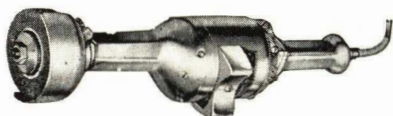
### H7, H8 STAR DRILLS

Diam. ....	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	1 $\frac{1}{8}$ "
Taper Shank, 6" Long—H7									
Price .....	<b>\$0.95</b>	<b>\$0.90</b>	<b>\$0.90</b>	<b>\$0.85</b>	<b>\$0.85</b>	<b>\$1.00</b>	<b>\$1.00</b>	<b>\$1.10</b>	<b>\$1.25</b>
Differential Shank, 12" Long—H8A									
Price .....	<b>3.40</b>	<b>3.25</b>	<b>3.20</b>	<b>3.25</b>	<b>3.50</b>				



## PORTABLE ELECTRIC GRINDERS

Universal Motor, A.C. or D.C. — 25, 40, or 60 Cycles —  
32, 115, 230, or 250 Volts



Type V-194

### Type V-194 4-Inch Heavy Duty

Small and light weight, but of rugged construction for continuous operation. Wheel size, 4 x 1 inches with 1/2-inch hole. No load speed, 6000 r.p.m. Length overall, 20 inches. Full ball bearing. Fan cooled motor. Forefinger control, automatic release, fully-enclosed, double pole, safety type, dead-man switch.

Equipped with adjustable steel guard and one grinding wheel. Supplied with 3-wire heavy duty rubber covered cable, permitting ground connection to prevent possible shock.

Net weight, 14 pounds; shipping weight, 16 lbs.

Type V-194, 115 volts.....each \$66.00

Other voltages, add \$3.00.

### Type V-195 5-Inch Heavy Duty

For continuous hard usage such as snagging castings, grinding off welds, wire brushing, buffing, or polishing operations on metal surfaces.

Fan cooled motor. Forefinger control, automatic release, fully-enclosed, double pole, safety type, dead-man switch.

Equipped with adjustable steel guard and one grinding wheel. Supplied with 3-wire heavy duty rubber covered cable, permitting ground connection.

Wheel size, 5 x 1 inches with 5/8-inch hole. No load speed, 4400 R.P.M. Length overall, 22 1/2 inches. Full ball bearing.

Net weight, 19 lbs.; shipping weight, 21 lbs.

Type V-195, 115 volts.....each \$78.00

Other voltages, add \$3.00.

### Type V-196 6-Inch Heavy Duty

For continuous production work.

Wheel size, 6 x 1 inches with 5/8-inch hole. No load speed, 4400 R.P.M. Length overall, 22 1/2 inches. Full ball bearing.

Fan-cooled motor. Forefinger control, automatic release, fully-enclosed, double pole, safety type, dead-man switch.

Equipped with adjustable steel guard and one grinding wheel. Supplied with 3-wire heavy duty rubber-covered cable, permitting ground connection.

Net weight, 21 lbs.; shipping weight, 23 lbs.

Type V-196, 115 volts.....each \$88.00

Other voltages, add \$3.00.



## ELECTRIC GRINDERS

### BENCH TYPE — BALL BEARING



Type SB-113

### Type V-141 6-Inch Bench Grinder

1/4 Hp. Motor, 3440 RPM

Wheel size 6 x 3/4 x 1/2-inch hole. Split-phase motor enclosed to prevent entry of dust, dirt, and emery. Tool rests fully adjustable. Right hand spindle, threaded for 1/2-inch—20 standard 3-jaw chuck. Furnished with medium and coarse wheels.

Type V-141, 115 volt, 60 cycle single phase.....\$39.95

### Type SB-113 6-Inch Heavy Duty

1/2 Hp. Motor, 3450 RPM

Wheel size 6 x 3/4 inches with 1/2-inch hole.

Split-phase motor fully protected from dust and dirt. 10-ampere heavy duty On and Off type switch.

Furnished with two grinding wheels, one fine and one medium; adjustable tool rests; No. 16 all rubber cord and plug.

Shipping weight, 77 pounds.

Type SB-113, 110 or 220 V. 50-60 Cy., Single

Phase.....\$59.50

220 Volts 50 or 60 Cycles, 3-Phase.....62.50

D.C., 32, 110-150-230 or 250 Volts.....69.50

Shatterproof Eyeshields, per pair.....2.50

### Type KB-119 7-Inch Heavy Duty

1/2 Hp. Motor, 3450 RPM

For heavy production work.

Wheel size, 7 x 1 inches with 5/8-inch hole.

Full capacitor start and capacitor run type of motor, fully enclosed. 10-ampere On and Off type switch.

Furnished with two grinding wheels, one fine and one medium; two-way adjustable tool rests; No. 16 all rubber cord and plug.

Shipping weight, 100 pounds.

Type KB-119, 110 or 220 V. 50 or 60 Cy.,

Single Ph. ....\$79.50

220 Volts 50 or 60 Cycles, 3-Phase.....82.50

D.C., 32, 110-150-230 or 250 Volts.....89.50

Shatterproof Eyeshields, per pair.....2.50

### Type 3B125 10-Inch Heavy Duty

1 Hp. Motor, 1450 RPM

Wheel size, 10 x 1 inch with 3/4-inch hole.

Powerful capacitor start and run type motor, fully enclosed. On and off type switch.

Furnished with two 10x1-inch balanced wheels, one fine and one medium. Two way adjustable tool rests, and exhaust chutes.

Shipping weight, 190 pounds.

Type 3B125, 220 V. 50-60 Cycles,

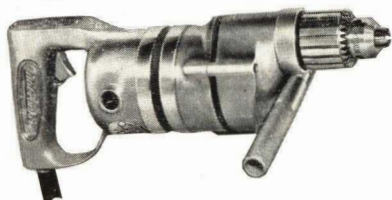
3-Phase .....\$123.00

Shatterproof Eyeshields, per pair.....2.50

## Milwaukee "HOLE-SHOOTER" PORTABLE ELECTRIC DRILLS

Light Weight Powerpacked Portable Electric Drills  $\frac{1}{4}$  to  $\frac{1}{2}$  Inch Capacity

### $\frac{1}{2}$ -INCH ELECTRIC DRILL

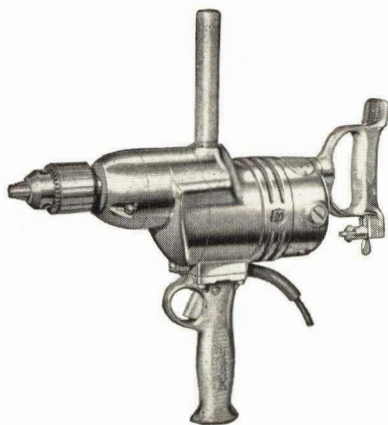


The same rugged design may be instantly recognized by a glance at any Milwaukee Portable Electric Tool. "More power per pound," so essential in a portable tool is embodied in each and every machine. Sturdily built with ball or roller bearing construction in all tools. A complete line of small drills up to and including the smallest and lightest  $\frac{1}{2}$ -inch electric drill on the market, having the most power for its small size and light weight.

Type	Size Inch	Description	Price Each
S-114	$\frac{1}{4}$	Standard Heavy Duty.....	\$29.95
S-214	$\frac{1}{4}$	Production Heavy Duty.....	44.00
HS-114	$\frac{1}{4}$	High Speed.....	36.00
S-256	$\frac{3}{8}$	Production Heavy Duty.....	46.00
S-238	$\frac{3}{8}$	Production Heavy Duty.....	49.50
BF-312	$\frac{1}{2}$	Special Duty.....	39.50
S-412	$\frac{1}{2}$	Slo-Speed Heavy Duty.....	44.50
S-212	$\frac{1}{2}$	*Veri-Slo-Speed (used with Carbide Bits).....	49.50

\*Hold to 150 R.P.M. when using Carbide Bits.

### HEAVY DUTY ELECTRIC DRILLS



Milwaukee Electric Drills in the larger sizes from  $\frac{1}{2}$  to  $\frac{3}{4}$ -inch equipped with heavy duty 3-jaw geared nut chucks for straight shank drills and  $\frac{7}{8}$ -inch equipped with No. 2 Morse Taper Socket for larger diameter drills with taper shanks are the most rugged and powerful for their size and light weight.

Type	Size Inch	Description	Price Each
C-312	$\frac{1}{2}$	Standard Heavy Duty.....	\$58.00
C-313	$\frac{1}{2}$	Production Heavy Duty.....	74.00
D-458	$\frac{5}{8}$	Standard Heavy Duty.....	69.50
D-459	$\frac{5}{8}$	Production Heavy Duty.....	84.00
E-534	$\frac{3}{4}$	Standard Heavy Duty.....	79.50
E-535	$\frac{3}{4}$	Production Heavy Duty.....	94.00
K-978	$\frac{7}{8}$	Production Heavy Duty.....	94.00

## Milwaukee "HOLE-SHOOTER" PORTABLE ELECTRIC DRILLS

### "HOLE-SHOOTER" PISTOL DRILL



The only Pistol Drill with a motor that will develop  $\frac{1}{2}$  H.P. The only Pistol Drill with easily accessible brushes and commutator. The only Pistol Drill where you can inspect the motor while in operation. The motor is set well back towards the handle giving better balance and less fatigue

to the operator. Air intake is in a position where it will not be blocked by the operator's hand, assuring a cool running tool even on production work. For heavy duty or casual use this Pistol Drill will outperform any other similar tool now on the market.

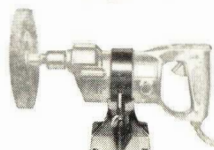
Other features include Jacobs 3-jaw geared chuck, cord clamp, 3-wire rubber jacket cord, which can be grounded for safety, 2 pole safety release locking switch, anti friction ball and roller bearings throughout, helical cut gears for quieter operation.

### 115-volt AC or DC Universal Motor.

Model No.	Chuck Speed No Load	Capacity in Inches	Price Each
1-A	650 r.p.m.	$\frac{3}{8}$	\$46.00
2-A	1000 r.p.m.	$\frac{1}{2}$	44.00
3-A	2000 r.p.m.	$\frac{1}{4}$	39.50
4-A	3500 r.p.m.	$\frac{1}{4}$	39.50
5-A	5000 r.p.m.	$\frac{1}{4}$	39.50

Voltages other than 115 are \$3.00 extra.

## Milwaukee DRILL STANDS



Type A-25



Type R-31



Type R-600



Type R-900

R-31 Bench Drill Stand (For S-114, HS-114, S-214, S-256, S-238, S-212, S-412, BF-312 and old models, A-114, B-257, and B-239 A-25 Bench Base (same group of tools as R-31).....

\$19.50

4.75

R-600 Bench Model for Types C-312 and C-313  $\frac{1}{2}$ -inch Drills, Types D-458 and D-459  $\frac{5}{8}$ -inch Drills, Types E-534 and E-535  $\frac{3}{4}$ -inch Drills or K-978  $\frac{7}{8}$ -inch Drill (without Drill).....

36.00

R-900 Wall Model Drill Stand (For same Drills as listed for R-600 Bench Drill Stand above) Without Drill.....

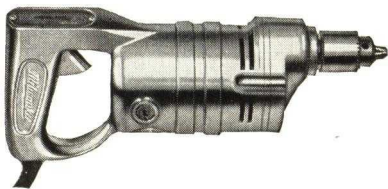
39.00

**DYNA-FLASH ELECTRIC TOOLS****MODEL 12D ½-INCH DRILL**

An unparalleled combination of power, quality, speed and size. Sells for less than other ½-inch drills that are larger and harder to handle. 1/3 H.P. motor. All shafts run on ball or roller bearings. Length, 12¾ inches overall.

Motor: 115 volts AC or DC. Detachable side handle can be clamped in any position for right or left hand operation. Heavy duty cord. Jacobs 3-jaw geared chuck.

Cat. No.	Capacity Steel	Capacity Wood	Free Speed	Full Load Speed	Wt.Lbs. Each	Price Each
12D	½"	1½"	550 rpm	330 rpm	6½	\$44.95

**MODEL 14D—¼-INCH DRILL**

Most powerful ¼-inch drill in its price class — ¼ H.P. motor. Heavy duty construction — every bearing ball or roller type. No bronze or plain sleeve bearings to replace. A power-packed tool that is light in weight, small, well balanced, and easy to handle. Motor: 115 volt AC or DC. 10½ inches overall length. Jacobs 3-jaw geared chuck.

Cat. No.	Capacity Steel	Capacity Wood	Free Speed	Full Load Speed	Wt.Lbs. Each	Price Each
14D	¼"	½"	1900 rpm	1100 rpm	5½	\$33.95

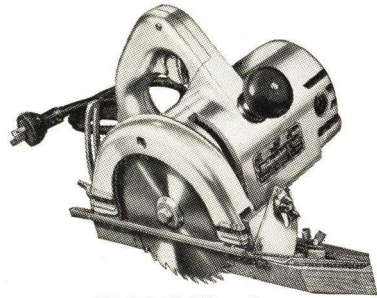
**MODEL DF24 DRILL STAND**

For Models 14D and 12D Drills

This stand equips the shop with an accurate Drill Press without sacrificing the portability of the Dyna-Flash Drill. Drills to the center of an 11-inch circle. Depth gauge allows drilling any number of holes the same length. Feed is 3 inches and maximum clearance from chuck to cast iron base 13 inches. Ground tubular steel column gives great strength.



Price, Model DF24 Drill Stand, less drill.....\$22.75

**DYNA-FLASH ELECTRIC TOOLS****DYNA-FLASH 6-INCH MITERING SAW****Model 6S Miter Saw**

Bevel cuts 1¾ inches at 45 degrees. Depth gauge adjusts from zero to a full 2-inch straight cut. Rip guide, telescoping guard, full-view line sight, saw-dust blower, helical gears, standard round hole blade, ball and roller bearings throughout. Knob grip for vertical and overhead work. Motor, 1 H.P., AC or DC, 115 volts. Free speed, 4800 R.P.M.

Model	Description	Price Each
6S*	Complete with mitering shoe, rip guide, and depth gauge.....	\$64.50
6SP	6-inch cut-off saw.....	58.00

\*Only the Model 6S is equipped with depth gauge, rip guide, miter shoe. Carrying Case \$5.00 extra when purchased with saw.